Bruhat Bengaluru Mahanagara Palike

Project Division

Name of agency :-Sri R Ramshankar Reddy

Name Of work :- Package-10.1. Construction of anganawadi building at kogilu in ward no05 bytarayanapura sub division, 2.Improvements of roads and drains at Ward No.05 to Ward No.06 and 07 connecting roads in Ward No.05 Bytarayanapura Sub Division. 3.Improvements to Roads and Drains at Telecom Layout Cross Roads in Ward No 05 Bytarayanapura Sub division, 4.Improvements to Roads and Drains at Shivaramakaranthanagara 1st stage cross roads in Ward No 05 Bytarayanapura Sub division.

SOR Item No	Description Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
2	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5 (P.No.161, I.No.21.2 of PW,P&IWTD SR 2016-17)									
Measurements recorded on		10/04/2018, 19/04/2018								
	Telecom Layout									
	8th cross									
0.00	15.00		1.00	15.00	5.80	5.65	5.73		85.88	
15.00	30.00		1.00	15.00	5.65	5.70	5.68		85.13	
30.00	45.00		1.00	15.00	5.70	5.70	5.70		85.50	
45.00	60.00		1.00	15.00	5.70	5.65	5.68		85.13	
60.00	75.00		1.00	15.00	5.65	5.75	5.70		85.50	
75.00	90.00		1.00	15.00	5.75	5.80	5.78		86.63	
90.00	105.00		1.00	15.00	5.80	5.85	5.83		87.38	
105.00	120.00		1.00	15.00	5.85	5.85	5.85		87.75	
120.00	135.00		1.00	15.00	5.85	5.90	5.88		88.13	
135.00	150.00		1.00	15.00	5.90	6.55	6.23		93.38	
150.00	161.00		1.00	11.00	6.55	7.15	6.85		75.35	
	9th cross									
0.00	10.00		1.00	10.00	5.90	5.65	5.78		57.75	
10.00	25.00		1.00	15.00	5.65	5.50	5.58		83.63	
25.00	40.00		1.00	15.00	5.50	5.70	5.60		84.00	
40.00	55.00		1.00	15.00	5.70	4.85	5.28		79.13	
55.00	70.00		1.00	15.00	4.85	5.20	5.03		75.38	
70.00	85.00		1.00	15.00	5.20	5.00	5.10		76.50	
85.00	100.00		1.00	15.00	5.00	5.60	5.30		79.50	
100.00	115.00		1.00	15.00	5.60	4.90	5.25		78.75	
115.00	130.00		1.00	15.00	4.90	5.20	5.05		75.75	
130.00	145.00		1.00	15.00	5.20	5.55	5.38		80.63	
145.00	160.50		1.00	15.50	5.55	6.60	6.08		94.16	
	10th cross									
0.00	15.00		1.00	15.00	5.65	5.65	5.65		84.75	
15.00	30.00		1.00	15.00	5.65	5.75	5.70		85.50	
30.00	45.00		1.00	15.00	5.75	5.75	5.75		86.25	
45.00	60.00		1.00	15.00	5.75	5.70	5.73		85.88	
60.00	75.00		1.00	15.00	5.70	5.40	5.55		83.25	

Contractor

Assistant Engineer 19/4/18.

Assistant Executive Engineer 19/4/18

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

BOQ Item No	Description Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	75.00	90.00		1.00	15.00	5.40	5.80	5.60		84.00	
	90.00	105.00		1.00	15.00	5.80	5.80	5.80		87.00	
	105.00	120.00		1.00	15.00	5.80	4.90	5.35		80.25	
	120.00	135.00		1.00	15.00	4.90	5.65	5.28		79.13	
	135.00	150.00		1.00	15.00	5.65	5.50	5.58		83.63	
	150.00	162.90		1.00	12.90	5.50	6.05	5.78		74.50	
	12th cross										
	0.00	15.00		1.00	15.00	6.70	5.80	6.25		93.75	
	15.00	30.00		1.00	15.00	5.80	5.50	5.65		84.75	
	30.00	45.00		1.00	15.00	5.50	5.60	5.55		83.25	
	45.00	60.00		1.00	15.00	5.60	5.55	5.58		83.63	
	60.00	75.00		1.00	15.00	5.55	5.50	5.53		82.88	
	75.00	90.00		1.00	15.00	5.50	5.60	5.55		83.25	
	90.00	105.00		1.00	15.00	5.60	4.95	5.28		79.13	
	105.00	120.00		1.00	15.00	4.95	5.15	5.05		75.75	
	120.00	136.50		1.00	16.50	5.15	5.80	5.48		90.34	
	13th cross										
	0.00	9.00		1.00	9.00	6.00	5.90	5.95		53.55	
	9.00	24.00		1.00	15.00	5.90	5.65	5.78		86.63	
	24.00	39.00		1.00	15.00	5.65	5.70	5.68		85.13	
	39.00	54.00		1.00	15.00	5.70	5.65	5.68		85.13	
	54.00	69.00		1.00	15.00	5.65	5.60	5.63		84.38	
	69.00	84.00		1.00	15.00	5.60	5.00	5.30		79.50	
	84.00	99.00		1.00	15.00	5.00	4.80	4.90		73.50	
	99.00	114.00		1.00	15.00	4.80	5.70	5.25		78.75	
	114.00	129.00		1.00	15.00	5.70	5.60	5.65		84.75	
	129.00	144.00		1.00	15.00	5.60	5.60	5.60		84.00	
	14th cross										
	0.00	15.00		1.00	15.00	5.00	4.60	4.80		72.00	
	15.00	30.00		1.00	15.00	4.60	5.40	5.00		75.00	
	30.00	45.00		1.00	15.00	5.40	5.60	5.50		82.50	
	45.00	60.00		1.00	15.00	5.60	5.55	5.58		83.63	
	60.00	75.00		1.00	15.00	5.55	5.50	5.53		82.88	
	75.00	90.00		1.00	15.00	5.50	5.60	5.55		83.25	
	90.00	105.00		1.00	15.00	5.60	5.55	5.58		83.63	
	105.00	120.00		1.00	15.00	5.55	5.50	5.53		82.88	
	120.00	135.00		1.00	15.00	5.50	5.30	5.40		81.00	
	135.00	150.00		1.00	15.00	5.30	5.70	5.50		82.50	
	150.00	165.00		1.00	15.00	5.70	5.45	5.58		83.63	
	165.00	173.80		1.00	8.80	5.45	7.30	6.38		56.10	
	Connecting Road 13th cross to 16 th cross road										
	0.00	15.00		1.00	15.00	10.00	9.60	9.80		147.00	
	15.00	30.00		1.00	15.00	9.60	9.65	9.63		144.38	

Contractor

Assistant Engineer 19/4/19

Assistant Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	30.00 - 45.00		1.00	15.00	9.65	7.55	8.60		129.00	
	45.00 - 60.00		1.00	15.00	7.55	7.55	7.55		113.25	
	60.00 - 75.00		1.00	15.00	7.55	7.50	7.53		112.88	
	75.00 - 90.00		1.00	15.00	7.50	9.50	8.50		127.50	
	90.00 - 105.00		1.00	15.00	9.50	9.10	9.30		139.50	
	105.00 - 120.00		1.00	15.00	9.10	9.50	9.30		139.50	
	120.00 - 135.00		1.00	15.00	9.50	9.60	9.55		143.25	
	135.00 - 150.00		1.00	15.00	9.60	9.30	9.45		141.75	
	150.00 - 165.00		1.00	15.00	9.30	9.30	9.30		139.50	
	165.00 - 173.80		1.00	8.80	9.30	8.20	8.75		77.00	
	Deduct Prime Coat									
	Telecom Layout									
	Road Portion									
	Bad Reaches									
			12.00	3.00			1.00		-36.00	
			6.00	4.00			2.00		-48.00	
			8.00	2.00			2.00		-32.00	
			9.00	1.00			1.40		-12.60	
			1.00	2.30			3.20		-7.36	
						Total Quantity			**6644.54**	**Sqm**

Contractor

Assistant Engineer 19/4/18

Assistant Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
3	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work									
	Measurements recorded on 19.04.2018, 29/10, 7/11, 1/12 & 7/12/18.									
	Telecom Layout									
	8th cross									
	RHS									
	0.00 / 15.00		1.00	15.00			0.50	0.45	3.38	
	15.00 / 30.00		1.00	15.00			0.50	0.45	3.38	
	30.00 / 45.00		1.00	15.00			0.50	0.45	3.38	
	45.00 / 60.00		1.00	15.00			0.50	0.45	3.38	
	60.00 / 75.00		1.00	15.00			0.50	0.45	3.38	
	75.00 / 90.00		1.00	15.00			0.50	0.45	3.38	
	90.00 / 105.00		1.00	15.00			0.50	0.45	3.38	
	105.00 / 120.00		1.00	15.00			0.50	0.45	3.38	
	120.00 / 135.00		1.00	15.00			0.50	0.45	3.38	
	135.00 / 150.00		1.00	15.00			0.50	0.45	3.38	
	150.00 / 161.00		1.00	11.00			0.50	0.45	2.48	
	LHS									
	0.00 / 15.00		1.00	15.00			0.50	0.45	3.38	
	15.00 / 30.00		1.00	15.00			0.50	0.45	3.38	
	30.00 / 45.00		1.00	15.00			0.50	0.45	3.38	
	45.00 / 60.00		1.00	15.00			0.50	0.45	3.38	
	60.00 / 75.00		1.00	15.00			0.50	0.45	3.38	
	75.00 / 90.00		1.00	15.00			0.50	0.45	3.38	
	90.00 / 105.00		1.00	15.00			0.50	0.45	3.38	
	105.00 / 120.00		1.00	15.00			0.50	0.45	3.38	
	120.00 / 135.00		1.00	15.00			0.50	0.45	3.38	
	135.00 / 150.00		1.00	15.00			0.50	0.45	3.38	
	150.00 / 161.00		1.00	11.00			0.50	0.45	2.48	
	9th cross									
	RHS									
	0.00 / 10.00		1.00	10.00			0.50	0.45	2.25	
	10.00 / 25.00		1.00	15.00			0.50	0.45	3.38	
	25.00 / 40.00		1.00	15.00			0.50	0.45	3.38	
	40.00 / 55.00		1.00	15.00			0.50	0.45	3.38	
	55.00 / 70.00		1.00	15.00			0.50	0.45	3.38	
	70.00 / 85.00		1.00	15.00			0.50	0.45	3.38	
	85.00 / 100.00		1.00	15.00			0.50	0.45	3.38	
	100.00 / 115.00		1.00	15.00			0.50	0.45	3.38	
	115.00 / 130.00		1.00	15.00			0.50	0.45	3.38	
	130.00 / 145.00		1.00	15.00			0.50	0.45	3.38	

Contractor

Assistant Engineer

Assistant Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Chainage										
	145.00	160.50		1.00	15.50			0.50	0.45	3.49	
	LHS										
	0.00	10.00		1.00	10.00			0.50	0.45	2.25	
	10.00	25.00		1.00	15.00			0.50	0.45	3.38	
	25.00	40.00		1.00	15.00			0.50	0.45	3.38	
	40.00	55.00		1.00	15.00			0.50	0.45	3.38	
	55.00	70.00		1.00	15.00			0.50	0.45	3.38	
	70.00	85.00		1.00	15.00			0.50	0.45	3.38	
	85.00	100.00		1.00	15.00			0.50	0.45	3.38	
	100.00	115.00		1.00	15.00			0.50	0.45	3.38	
	115.00	130.00		1.00	15.00			0.50	0.45	3.38	
	130.00	145.00		1.00	15.00			0.50	0.45	3.38	
	145.00	160.50		1.00	15.50			0.50	0.45	3.49	
	10th cross										
	RHS										
	0.00	15.00		1.00	15.00			0.50	0.45	3.38	
	15.00	30.00		1.00	15.00			0.50	0.45	3.38	
	30.00	45.00		1.00	15.00			0.50	0.45	3.38	
	45.00	60.00		1.00	15.00			0.50	0.45	3.38	
	60.00	75.00		1.00	15.00			0.50	0.45	3.38	
	75.00	90.00		1.00	15.00			0.50	0.45	3.38	
	90.00	105.00		1.00	15.00			0.50	0.45	3.38	
	105.00	120.00		1.00	15.00			0.50	0.45	3.38	
	120.00	135.00		1.00	15.00			0.50	0.45	3.38	
	135.00	150.00		1.00	15.00			0.50	0.45	3.38	
	150.00	162.90		1.00	12.90			0.50	0.45	2.90	
	LHS										
	0.00	15.00		1.00	15.00			0.50	0.45	3.38	
	15.00	30.00		1.00	15.00			0.50	0.45	3.38	
	30.00	45.00		1.00	15.00			0.50	0.45	3.38	
	45.00	60.00		1.00	15.00			0.50	0.45	3.38	
	60.00	75.00		1.00	15.00			0.50	0.45	3.38	
	75.00	90.00		1.00	15.00			0.50	0.45	3.38	
	90.00	105.00		1.00	15.00			0.50	0.45	3.38	
	105.00	120.00		1.00	15.00			0.50	0.45	3.38	
	120.00	135.00		1.00	15.00			0.50	0.45	3.38	
	135.00	150.00		1.00	15.00			0.50	0.45	3.38	
	150.00	162.90		1.00	12.90			0.50	0.45	2.90	
	12th cross										
	RHS										
	0.00	15.00		1.00	15.00			0.50	0.45	3.38	
	15.00	30.00		1.00	15.00			0.50	0.45	3.38	
	30.00	45.00		1.00	15.00			0.50	0.45	3.38	
	45.00	60.00		1.00	15.00			0.50	0.45	3.38	

Contractor

Assistant Engineer

Assistant Executive Engineer

Asst. Executive Engineer
Yelahanka Zone
BBMP, Bangalore - 92

Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
60.00	75.00		1.00	15.00			0.50	0.45	3.38	
75.00	90.00		1.00	15.00			0.50	0.45	3.38	
90.00	105.00		1.00	15.00			0.50	0.45	3.38	
105.00	120.00		1.00	15.00			0.50	0.45	3.38	
120.00	136.50		1.00	16.50			0.50	0.45	3.71	
LHS										
0.00	15.00		1.00	15.00			0.50	0.45	3.38	
15.00	30.00		1.00	15.00			0.50	0.45	3.38	
30.00	45.00		1.00	15.00			0.50	0.45	3.38	
45.00	60.00		1.00	15.00			0.50	0.45	3.38	
60.00	75.00		1.00	15.00			0.50	0.45	3.38	
75.00	90.00		1.00	15.00			0.50	0.45	3.38	
90.00	105.00		1.00	15.00			0.50	0.45	3.38	
105.00	120.00		1.00	15.00			0.50	0.45	3.38	
120.00	136.50		1.00	16.50			0.50	0.45	3.71	
13th cross										
RHS										
0.00	9.00		1.00	9.00			0.50	0.45	2.03	
9.00	24.00		1.00	15.00			0.50	0.45	3.38	
24.00	39.00		1.00	15.00			0.50	0.45	3.38	
39.00	54.00		1.00	15.00			0.50	0.45	3.38	
54.00	69.00		1.00	15.00			0.50	0.45	3.38	
69.00	84.00		1.00	15.00			0.50	0.45	3.38	
84.00	99.00		1.00	15.00			0.50	0.45	3.38	
99.00	114.00		1.00	15.00			0.50	0.45	3.38	
114.00	129.00		1.00	15.00			0.50	0.45	3.38	
129.00	144.00		1.00	15.00			0.50	0.45	3.38	
LHS										
0.00	9.00		1.00	9.00			0.50	0.45	2.03	
9.00	24.00		1.00	15.00			0.50	0.45	3.38	
24.00	39.00		1.00	15.00			0.50	0.45	3.38	
39.00	54.00		1.00	15.00			0.50	0.45	3.38	
54.00	69.00		1.00	15.00			0.50	0.45	3.38	
69.00	84.00		1.00	15.00			0.50	0.45	3.38	
84.00	99.00		1.00	15.00			0.50	0.45	3.38	
99.00	114.00		1.00	15.00			0.50	0.45	3.38	
114.00	129.00		1.00	15.00			0.50	0.45	3.38	
129.00	144.00		1.00	15.00			0.50	0.45	3.38	
14th cross										
RHS										
0.00	15.00		1.00	15.00			0.50	0.45	3.38	
15.00	30.00		1.00	15.00			0.50	0.45	3.38	
30.00	45.00		1.00	15.00			0.50	0.45	3.38	
45.00	60.00		1.00	15.00			0.50	0.45	3.38	

Contractor

Assistant Engineer

Assistant Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
Chainage										
60.00	75.00		1.00	15.00			0.50	0.45	3.38	
75.00	90.00		1.00	15.00			0.50	0.45	3.38	
90.00	105.00		1.00	15.00			0.50	0.45	3.38	
105.00	120.00		1.00	15.00			0.50	0.45	3.38	
120.00	135.00		1.00	15.00			0.50	0.45	3.38	
135.00	150.00		1.00	15.00			0.50	0.45	3.38	
150.00	165.00		1.00	15.00			0.50	0.45	3.38	
165.00	173.80		1.00	8.80			0.50	0.45	1.98	
LHS										
0.00	15.00		1.00	15.00			0.50	0.45	3.38	
15.00	30.00		1.00	15.00			0.50	0.45	3.38	
30.00	45.00		1.00	15.00			0.50	0.45	3.38	
45.00	60.00		1.00	15.00			0.50	0.45	3.38	

Contractor

Assistant Engineer

Assistant Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
Chainage										
60.00	75.00		1.00	15.00			0.50	0.45	3.38	
75.00	90.00		1.00	15.00			0.50	0.45	3.38	
90.00	105.00		1.00	15.00			0.50	0.45	3.38	
105.00	120.00		1.00	15.00			0.50	0.45	3.38	
120.00	135.00		1.00	15.00			0.50	0.45	3.38	
135.00	150.00		1.00	15.00			0.50	0.45	3.38	
150.00	165.00		1.00	15.00			0.50	0.45	3.38	
165.00	173.80		1.00	8.80			0.50	0.45	1.98	
Connecting Road 13th cross to 16 th cross road										
RHS										
0.00	15.00		1.00	15.00			0.50	0.45	3.38	
15.00	30.00		1.00	15.00			0.50	0.45	3.38	
30.00	45.00		1.00	15.00			0.50	0.45	3.38	
45.00	60.00		1.00	15.00			0.50	0.45	3.38	
60.00	75.00		1.00	15.00			0.50	0.45	3.38	
75.00	90.00		1.00	15.00			0.50	0.45	3.38	
90.00	105.00		1.00	15.00			0.50	0.45	3.38	
105.00	120.00		1.00	15.00			0.50	0.45	3.38	
120.00	135.00		1.00	15.00			0.50	0.45	3.38	
135.00	150.00		1.00	15.00			0.50	0.45	3.38	
150.00	165.00		1.00	15.00			0.50	0.45	3.38	
165.00	173.80		1.00	8.80			0.50	0.45	1.98	
LHS										
0.00	15.00		1.00	15.00			0.50	0.45	3.38	
15.00	30.00		1.00	15.00			0.50	0.45	3.38	
30.00	45.00		1.00	15.00			0.50	0.45	3.38	
45.00	60.00		1.00	15.00			0.50	0.45	3.38	
60.00	75.00		1.00	15.00			0.50	0.45	3.38	
75.00	90.00		1.00	15.00			0.50	0.45	3.38	
90.00	105.00		1.00	15.00			0.50	0.45	3.38	
105.00	120.00		1.00	15.00			0.50	0.45	3.38	
120.00	135.00		1.00	15.00			0.50	0.45	3.38	
135.00	150.00		1.00	15.00			0.50	0.45	3.38	
150.00	165.00		1.00	15.00			0.50	0.45	3.38	
165.00	173.80		1.00	8.80			0.50	0.45	1.98	
New Shanthinagar,1st Main Road										
New Drain										
LHS										
0.00	22.00	L/S	1.00	22.00			1.10	0.95	22.99	
22.00	52.00	L/S	1.00	30.00			1.10	0.96	31.68	
52.00	82.00	L/S	1.00	30.00			1.10	0.94	31.02	
82.00	112.00	L/S	1.00	30.00			1.10	0.96	31.68	

Contractor

Assistant Engineer

Assistant Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
9	KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 (P.No.165 of I.No.21.22.6 in PW,P&IWTD S.R 2016-17)									
	Measurements recorded on 27/04/18 & 28/04/18									
	Telecom Layout									
	8th cross									
	0.00 / 15.00		1.00	15.00	5.80	5.65	5.73	0.04	3.44	
	15.00 / 30.00		1.00	15.00	5.65	5.70	5.68	0.04	3.41	
	30.00 / 45.00		1.00	15.00	5.70	5.70	5.70	0.04	3.42	
	45.00 / 60.00		1.00	15.00	5.70	5.65	5.68	0.04	3.41	
	60.00 / 75.00		1.00	15.00	5.65	5.75	5.70	0.04	3.42	
	75.00 / 90.00		1.00	15.00	5.75	5.80	5.78	0.04	3.47	
	90.00 / 105.00		1.00	15.00	5.80	5.85	5.83	0.04	3.50	
	105.00 / 120.00		1.00	15.00	5.85	5.85	5.85	0.04	3.51	
	120.00 / 135.00		1.00	15.00	5.85	5.90	5.88	0.04	3.53	
	135.00 / 150.00		1.00	15.00	5.90	6.55	6.23	0.04	3.74	
	150.00 / 161.00		1.00	11.00	6.55	7.15	6.85	0.04	3.01	
	9th cross									
	0.00 / 10.00		1.00	10.00	5.90	5.65	5.78	0.04	2.31	
	10.00 / 25.00		1.00	15.00	5.65	5.50	5.58	0.04	3.35	
	25.00 / 40.00		1.00	15.00	5.50	5.70	5.60	0.04	3.36	
	40.00 / 55.00		1.00	15.00	5.70	4.85	5.28	0.04	3.17	
	55.00 / 70.00		1.00	15.00	4.85	5.20	5.03	0.04	3.02	
	70.00 / 85.00		1.00	15.00	5.20	5.00	5.10	0.04	3.06	
	85.00 / 100.00		1.00	15.00	5.00	5.60	5.30	0.04	3.18	
	100.00 / 115.00		1.00	15.00	5.60	4.90	5.25	0.04	3.15	
	115.00 / 130.00		1.00	15.00	4.90	5.20	5.05	0.04	3.03	
	130.00 / 145.00		1.00	15.00	5.20	5.55	5.38	0.04	3.23	
	145.00 / 160.50		1.00	15.50	5.55	6.60	6.08	0.04	3.77	
	10th cross									
	0.00 / 15.00		1.00	15.00	5.65	5.65	5.65	0.04	3.39	
	15.00 / 30.00		1.00	15.00	5.65	5.75	5.70	0.04	3.42	
	30.00 / 45.00		1.00	15.00	5.75	5.75	5.75	0.04	3.45	
	45.00 / 60.00		1.00	15.00	5.75	5.70	5.73	0.04	3.44	
	60.00 / 75.00		1.00	15.00	5.70	5.40	5.55	0.04	3.33	
	75.00 / 90.00		1.00	15.00	5.40	5.80	5.60	0.04	3.36	
	90.00 / 105.00		1.00	15.00	5.80	5.80	5.80	0.04	3.48	
	105.00 / 120.00		1.00	15.00	5.80	4.90	5.35	0.04	3.21	
	120.00 / 135.00		1.00	15.00	4.90	5.65	5.28	0.04	3.17	
	135.00 / 150.00		1.00	15.00	5.65	5.50	5.58	0.04	3.35	
	150.00 / 162.90		1.00	12.90	5.50	6.05	5.78	0.04	2.98	

Executive Engineer, Project Division, Yelahanka Zone, BBMP, Bangalore-92

Contractor

Assistant Engineer 28/4/18

Assistant Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	12th cross										
	0.00	15.00		1.00	15.00	6.70	5.80	6.25	0.04	3.75	
	15.00	30.00		1.00	15.00	5.80	5.50	5.65	0.04	3.39	
	30.00	45.00		1.00	15.00	5.50	5.60	5.55	0.04	3.33	
	45.00	60.00		1.00	15.00	5.60	5.55	5.58	0.04	3.35	
	60.00	75.00		1.00	15.00	5.55	5.50	5.53	0.04	3.32	
	75.00	90.00		1.00	15.00	5.50	5.60	5.55	0.04	3.33	
	90.00	105.00		1.00	15.00	5.60	4.95	5.28	0.04	3.17	
	105.00	120.00		1.00	15.00	4.95	5.15	5.05	0.04	3.03	
	120.00	136.50		1.00	16.50	5.15	5.80	5.48	0.04	3.61	
	13th cross										
	0.00	9.00		1.00	9.00	6.00	5.90	5.95	0.04	2.14	
	9.00	24.00		1.00	15.00	5.90	5.65	5.78	0.04	3.47	
	24.00	39.00		1.00	15.00	5.65	5.70	5.68	0.04	3.41	
	39.00	54.00		1.00	15.00	5.70	5.65	5.68	0.04	3.41	
	54.00	69.00		1.00	15.00	5.65	5.60	5.63	0.04	3.38	
	69.00	84.00		1.00	15.00	5.60	5.00	5.30	0.04	3.18	
	84.00	99.00		1.00	15.00	5.00	4.80	4.90	0.04	2.94	
	99.00	114.00		1.00	15.00	4.80	5.70	5.25	0.04	3.15	
	114.00	129.00		1.00	15.00	5.70	5.60	5.65	0.04	3.39	
	129.00	144.00		1.00	15.00	5.60	5.60	5.60	0.04	3.36	
	14th cross										
	0.00	15.00		1.00	15.00	5.00	4.60	4.80	0.04	2.88	
	15.00	30.00		1.00	15.00	4.60	5.40	5.00	0.04	3.00	
	30.00	45.00		1.00	15.00	5.40	5.60	5.50	0.04	3.30	
	45.00	60.00		1.00	15.00	5.60	5.55	5.58	0.04	3.35	
	60.00	75.00		1.00	15.00	5.55	5.50	5.53	0.04	3.32	
	75.00	90.00		1.00	15.00	5.50	5.60	5.55	0.04	3.33	
	90.00	105.00		1.00	15.00	5.60	5.55	5.58	0.04	3.35	
	105.00	120.00		1.00	15.00	5.55	5.50	5.53	0.04	3.32	
	120.00	135.00		1.00	15.00	5.50	5.30	5.40	0.04	3.24	
	135.00	150.00		1.00	15.00	5.30	5.70	5.50	0.04	3.30	
	150.00	165.00		1.00	15.00	5.70	5.45	5.58	0.04	3.35	
	165.00	173.80		1.00	8.80	5.45	7.30	6.38	0.04	2.24	
	Connecting Road 13th cross to 16 th cross road										
	0.00	15.00		1.00	15.00	10.00	9.60	9.80	0.04	5.88	
	15.00	30.00		1.00	15.00	9.60	9.65	9.63	0.04	5.78	
	30.00	45.00		1.00	15.00	9.65	7.55	8.60	0.04	5.16	
	45.00	60.00		1.00	15.00	7.55	7.55	7.55	0.04	4.53	
	60.00	75.00		1.00	15.00	7.55	7.50	7.53	0.04	4.52	
	75.00	90.00		1.00	15.00	7.50	9.50	8.50	0.04	5.10	
	90.00	105.00		1.00	15.00	9.50	9.10	9.30	0.04	5.58	
	105.00	120.00		1.00	15.00	9.10	9.50	9.30	0.04	5.58	

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

Contractor

Assistant Engineer 28/4/18

Asst. Executive Engineer

Assistant Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Chainage										
	120.00	135.00		1.00	15.00	9.50	9.60	9.55	0.04	5.73	
	135.00	150.00		1.00	15.00	9.60	9.30	9.45	0.04	5.67	
	150.00	165.00		1.00	15.00	9.30	9.30	9.30	0.04	5.58	
	165.00	173.80		1.00	8.80	9.30	8.20	8.75	0.04	3.08	
							Total Quantity			271.22	Cum

Checked.

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore

Contractor

Assistant Engineer 28/4/18

Assistant Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Bruhat Bengaluru Mahanagara Palike

Project Division

Bill No :- 1st and Part Bill

Name of Agency :-Sri R Ramshankar Reddy

Name Of work : - Package-10.1. Construction of anganawadi building at kogilu in ward no05 bytarayanapura sub division, 2.Improvements of roads and drains at Ward No.05 to Ward No.06 and 07 connecting roads in Ward No.05 Byatarayanapura Sub Division. 3.Improvements to Roads and Drains at Telecom Layout Cross Roads in Ward No 05 Byatarayanapura Sub division, 4.Improvements to Roads and Drains at Shivaramakaranthanagara 1st stage cross roads in Ward No 05 Byatarayanapura Sub division.

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
11	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the										
	Measurements recorded on 2/11/18, 13/11/18, 3/12/18 & 14/12/18										
	New Shanthinagar,1st Main										
	New Drain										
	LHS										
	0.00	22.00	L/S	1	22.00			1.10	0.15	3.63	
	22.00	52.00	L/S	1	30.00			1.10	0.15	4.95	
	52.00	82.00	L/S	1	30.00			1.10	0.15	4.95	
	82.00	112.00	L/S	1	30.00			1.10	0.15	4.95	
	112.00	142.00	L/S	1	30.00			1.10	0.15	4.95	
	142.00	172.00	L/S	1	30.00			1.10	0.15	4.95	
	172.00	202.00	L/S	1	30.00			1.10	0.15	4.95	
	202.00	232.00	L/S	1	30.00			1.10	0.15	4.95	
	232.00	262.00	L/S	1	30.00			1.10	0.15	4.95	
	262.00	292.00	L/S	1	30.00			1.10	0.15	4.95	
	292.00	322.00	L/S	1	30.00			1.10	0.15	4.95	
	322.00	352.00	L/S	1	30.00			1.10	0.15	4.95	
	352.00	382.00	L/S	1	30.00			1.10	0.15	4.95	
	382.00	412.00	L/S	1	30.00			1.10	0.15	4.95	
	412.00	442.00	L/S	1	30.00			1.10	0.15	4.95	
	442.00	472.00	L/S	1	30.00			1.10	0.15	4.95	
	472.00	483.00	L/S	1	11.00			1.10	0.15	1.82	
	483.00	491.00	L/S	0	8.00			1.10	0.15	0.00	Culvert
	491.00	521.00	L/S	1	30.00			1.10	0.15	4.95	
	521.00	551.00	L/S	1	30.00			1.10	0.15	4.95	
	551.00	565.00	L/S	1	14.00			1.10	0.15	2.31	
	565.00	582.20	L/S	1	17.20			1.10	0.15	2.84	
	RHS										
	0.00	22.00	R/S	1	22.00			1.10	0.15	3.63	
	22.00	28.00	R/S	1	6.00			1.10	0.15	0.99	
	36.00	52.00	R/S	1	16.00			1.10	0.15	2.64	
	52.00	68.00	R/S	1	16.00			1.10	0.15	2.64	

Contractor

Assistant Engineer

Assistant Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Chainage										
	77.00	82.00	R/S	1	5.00			1.10	0.15	0.83	
	82.00	108.00	R/S	1	26.00			1.10	0.15	4.29	
	115.60	146.40	R/S	1	30.80			1.10	0.15	5.08	
	154.80	186.40	R/S	1	31.60			1.10	0.15	5.21	
	194.00	225.00	R/S	1	31.00			1.10	0.15	5.12	
	233.00	264.40	R/S	1	31.40			1.10	0.15	5.18	
	272.30	304.50	R/S	1	32.20			1.10	0.15	5.31	
	312.00	342.00	R/S	1	30.00			1.10	0.15	4.95	
	351.00	376.50	R/S	1	25.50			1.10	0.15	4.21	
	382.00	398.50	R/S	1	16.50			1.10	0.15	2.72	
	405.50	424.80	R/S	1	19.30			1.10	0.15	3.18	
	430.10	448.80	R/S	1	18.70			1.10	0.15	3.09	
	454.00	472.00	R/S	1	18.00			1.10	0.15	2.97	
	478.00	497.00	R/S	1	19.00			1.10	0.15	3.14	
	502.00	521.20	R/S	1	19.20			1.10	0.15	3.17	
	525.80	545.20	R/S	1	19.40			1.10	0.15	3.20	
	550.00	569.00	R/S	1	19.00			1.10	0.15	3.14	
	573.80	592.00	R/S	1	18.20			1.10	0.15	3.00	
	2nd Main Road										
	RHS										
	0.00	30.00	R/S	1	30.00			1.10	0.15	4.95	
	30.00	60.00	R/S	1	30.00			1.10	0.15	4.95	
	60.00	72.00	R/S	1	12.00			1.10	0.15	1.98	
	1st Cross Road										
	0.00	30.00	L/S	1	30.00			1.10	0.15	4.95	
	30.00	60.00	L/S	1	30.00			1.10	0.15	4.95	
	60.00	93.50	L/S	1	33.50			1.10	0.15	5.53	
	2nd Cross Road										
	0.00	30.00	L/S	1	30.00			1.10	0.15	4.95	
	30.00	60.00	L/S	1	30.00			1.10	0.15	4.95	
	60.00	77.50	L/S	1	17.50			1.10	0.15	2.89	
	3rd Cross Road										
	0.00	30.00	R/S	1	30.00			1.10	0.15	4.95	
	30.00	60.00	R/S	1	30.00			1.10	0.15	4.95	
	60.00	86.00	R/S	1	26.00			1.10	0.15	4.29	
	Culvert										
	RHS										
	9th cross Road		R/S	1	9.00			1.30	0.15	1.76	
	16th cross Road		R/S	1	4.60			1.30	0.15	0.90	
	17th cross Road		R/S	1	4.80			1.30	0.15	0.94	
								Total		**230.30**	**cum**
					Qnty to be Restricted					**200.34**	**cum**

Contractor

Assistant Engineer 11/12/18

Assistant Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
12	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work									
Measurements recorded on	14/11/18, 24/11/18, 10/12/18, 15/12/18.									
	New Shanthinagar,1st Main									
	New Drain									
	LHS									
	0.00 to 22.00	L/S	4	22.00				0.70	61.60	
	22.00 to 52.00	L/S	4	30.00				0.71	85.20	
	52.00 to 82.00	L/S	4	30.00				0.69	82.80	
	82.00 to 112.00	L/S	4	30.00				0.71	85.20	
	112.00 to 142.00	L/S	4	30.00				0.78	93.60	
	142.00 to 172.00	L/S	4	30.00				0.74	88.80	
	172.00 to 202.00	L/S	4	30.00				0.76	91.20	
	202.00 to 232.00	L/S	4	30.00				0.77	92.40	
	232.00 to 262.00	L/S	4	30.00				0.73	87.60	
	262.00 to 292.00	L/S	4	30.00				0.72	86.40	
	292.00 to 322.00	L/S	4	30.00				0.75	90.00	
	322.00 to 352.00	L/S	4	30.00				0.76	91.20	
	352.00 to 382.00	L/S	4	30.00				0.69	82.80	
	382.00 to 412.00	L/S	4	30.00				0.75	90.00	
	412.00 to 442.00	L/S	4	30.00				0.73	87.60	
	442.00 to 472.00	L/S	4	30.00				0.69	82.80	
	472.00 to 483.00	L/S	4	11.00				0.70	30.80	
	483.00 to 491.00	L/S	0	8.00				0.73	0.00	Culvert
	491.00 to 521.00	L/S	4	30.00				0.72	86.40	
	521.00 to 551.00	L/S	4	30.00				0.71	85.20	
	551.00 to 565.00	L/S	4	14.00				0.71	39.76	
	565.00 to 582.20	L/S	4	17.20				0.61	41.97	
	RHS									
	0.00 to 22.00	R/S	4	22.00				0.60	52.80	
	22.00 to 28.00	R/S	4	6.00				0.60	14.40	
	36.00 to 52.00	R/S	4	16.00				0.60	38.40	
	52.00 to 68.00	R/S	4	16.00				0.60	38.40	
	77.00 to 82.00	R/S	4	5.00				0.60	12.00	

Contractor

Assistant Engineer

Assistant Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

BOQ Item No	Description		Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
	Chainage										
	82.00	108.00	R/S	4	26.00				0.60	62.40	
	115.60	146.40	R/S	4	30.80				0.65	80.08	
	154.80	186.40	R/S	4	31.60				0.89	112.50	
	194.00	225.00	R/S	4	31.00				0.93	115.32	
	233.00	264.40	R/S	4	31.40				0.64	80.38	
	272.30	304.50	R/S	4	32.20				0.62	79.86	
	312.00	342.00	R/S	4	30.00				0.64	76.80	
	351.00	376.50	R/S	4	25.50				0.64	65.28	
	382.00	398.50	R/S	4	16.50				0.65	42.90	
	405.50	424.80	R/S	4	19.30				0.96	74.11	
	430.10	448.80	R/S	4	18.70				0.88	65.82	
	454.00	472.00	R/S	4	18.00				0.61	43.92	
	478.00	497.00	R/S	4	19.00				0.69	52.44	
	502.00	521.20	R/S	4	19.20				0.77	59.14	
	525.80	545.20	R/S	4	19.40				0.76	58.98	
	550.00	569.00	R/S	4	19.00				0.76	57.76	
	573.80	592.00	R/S	4	18.20				0.76	55.33	
	2nd Main Road										
	RHS										
	0.00	30.00	R/S	4	30.00				0.80	96.00	
	30.00	60.00	R/S	4	30.00				0.78	93.60	
	60.00	72.00	R/S	4	12.00				0.80	38.40	
	1st Cross Road										
	0.00	30.00	L/S	4	30.00				0.40	48.00	
	30.00	60.00	L/S	4	30.00				0.45	54.00	
	60.00	93.50	L/S	4	33.50				0.50	67.00	
	2nd Cross Road										
	0.00	30.00	L/S	4	30.00				0.55	66.00	
	30.00	60.00	L/S	4	30.00				0.60	72.00	
	60.00	77.50	L/S	4	17.50				0.60	42.00	
	3rd Cross Road										
	0.00	30.00	R/S	4	30.00				0.60	72.00	
	30.00	60.00	R/S	4	30.00				0.60	72.00	
	60.00	86.00	R/S	4	26.00				0.60	62.40	
	Culvert										
	RHS										
	9th cross Road		R/S	4	9.00				0.60	21.60	
	16th cross Road		R/S	4	4.60				0.65	11.96	
	17th cross Road		R/S	4	4.80				0.60	11.52	
								Total		**3830.82**	**sqm**
					Qnty to be Restricted					**3484.80**	**sqm**

Contractor

Assistant Engineer 18/12/18

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BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg width	Depth	Quantity	Remarks
13	KSRB - 4.9.2: Providing TMT steel Fe500 reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the									
Measurements recorded on	7/11/18, 17/11/18, 7/12/18, 15/12/18.									
							Unit weight of steel / meter			
	New Drain									
	10 mm main U bars									
	inner main bars	1	5286.0	2.08			0.617		6783.84	
	outer main bars	1	5286.0	2.48			0.617		8088.42576	
	Distribution bars									
	8mm Dia bars									
	inner main bars	1	7.0	1374.00			0.395		3799.11	
	outer main bars	1	9.0	1374.00			0.395		4884.57	
	Chairs 8mm	1	687.0	0.30			0.395		81.4095	
	Culvet									
	12 main U bars									
	inner main bars	1	123.0	1.94			0.889		212.13	
	outer main bars	1	123.0	2.84			0.889		310.55	
	Distribution bars									
	10mm Dia bars									
	inner main bars	1	15.0	18.40			0.617		170.29	
	outer main bars	1	15.0	18.40			0.617		170.29	
	chairs 10mm dia	1	60	0.5			0.617		18.51	
									24519.13	**kgs**
							Total		**24.52**	**MT**
				Restricted Qnty					**24.33**	**MT**

Contractor

Assistant Engineer 15/12/18

Assistant Executive Engineer

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